

FIG. 1

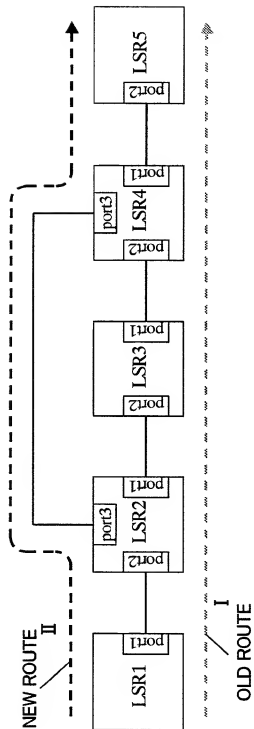


FIG. 2A

LSR1 MANAGEMENT
TABLE

INPUT INFORMATION	LSPID PORT	OUTPUT PORT LABEL
INFORMATION OF LSR1 TO LSR5	1	L21
:	:	:
:	:	:

FIG. 2B

LSR2 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE LSPID	OUTPUT PORT LABEL
1	L21	O 1
:	:	:
:	:	:

FIG. 2C

LSR3 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE LSPID	OUTPUT PORT LABEL
2	L31	O 1
:	:	:
:	:	:

LSR4 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE LSPID	OUTPUT PORT LABEL
2	L41	O 1
:	:	:
:	:	:

LSR5 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE LSPID	NOTE
2	L51	O 1
:	:	TO UPPER LAYER AFTER DELETING LABEL
:	:	:

FIG. 2D

FIG. 2E

FIG. 3A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION OF LSR1 TO LSR5	LSRID	OUTPUT PORT	OUTPUT LABEL
1	1	1	L21
1	1	1	-
∴	∴	∴	∴

FIG. 3B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L21	○	1	L31
2	L22	○	1	3
∴	∴	∴	∴	∴

FIG. 3C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	○	1	L41
∴	∴	∴	∴	∴

P1

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L41	○	1	L51
3	L42	○	1	-
∴	∴	∴	∴	∴

LSR5 MANAGEMENT TABLE

INPUT PORT	RESERVE	LSPID	NOTE
2	L51	○	1 TO UPPER LAYER AFTER DELETING LABEL
2	L52	○	1 TO UPPER LAYER AFTER DELETING LABEL
∴	∴	∴	∴

P3

P4

FIG. 3D

FIG. 3E

FIG. 4A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID PORT	OUTPUT PORT LABEL
	1	L21
INFORMATION OF LSR1 TO LSR5	1	L22
⋮	⋮	⋮

FIG. 4B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSPID	OUTPUT PORT LABEL
2	L21	1
2	L22	3
⋮	⋮	⋮

FIG. 4C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSPID	OUTPUT PORT LABEL
2	L31	1
⋮	⋮	⋮

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSPID	OUTPUT PORT LABEL
2	L41	1
3	L42	1
⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSPID	NOTE
2	L51	TO UPPER LAYER AFTER DELETING LABEL
2	L52	TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮

P6

P5

FIG. 4D

FIG. 4E

FIG. 5A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
	-	-	-
INFORMATION OF LSR1 TO LSR5	1	1	L22
⋮	⋮	⋮	⋮

FIG. 5B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L21	x	-	-
2	L22	O	1	3
⋮	⋮	⋮	⋮	⋮

FIG. 5C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	x	-	-
⋮	⋮	⋮	⋮	⋮

P9

P10

P11

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L41	x	-	-
3	L42	O	1	1
⋮	⋮	⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	NOTE
2	L51	x	-
2	L52	O	1
⋮	⋮	⋮	⋮
⋮	⋮	⋮	TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮	⋮

P12

P13

FIG. 5D

FIG. 5E

FIG. 6A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION OF LSR1 TO LSR5	LSRID	OUTPUT PORT LABEL
1	1	L21
1	1	-
:	:	:
:	:	:

FIG. 6B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	OUTPUT PORT LABEL
2	L21	⊙	1
:	:	:	3
:	:	:	-
:	:	:	:
:	:	:	:

FIG. 6C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	OUTPUT PORT LABEL
2	L31	○	1
:	:	:	1
:	:	:	L41
:	:	:	:
:	:	:	:

P1

P2

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	OUTPUT PORT LABEL
2	L41	○	1
3	L42	○	1
:	:	:	L51
:	:	:	-
:	:	:	:
:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	NOTE
2	L51	⊙	1
:	:	:	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:
:	:	:	:
:	:	:	:

P3

P4

FIG. 6D

FIG. 6E

FIG. 7A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSRID	OUTPUT PORT	OUTPUT LABEL
	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L21
.	.	.	.
.	.	.	.

FIG. 7B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	OUTPUT PORT	OUTPUT LABEL
2	L21	⊙	1	L31
.	.	.	3	L42
.
.

FIG. 7C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	OUTPUT PORT	OUTPUT LABEL
2	L31	○	1	L41
.
.

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LSR4 MANAGEMENT TABLE

INPUT PORT	RESERVE	LSRID	OUTPUT PORT	OUTPUT LABEL
2	L41	○	1	L51
3	L42	○	1	L51
.
.

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSRID	NOTE
2	L51	⊙	1 TO UPPER LAYER AFTER DELETING LABEL
.	.	.	.
.	.	.	.

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P5

FIG. 7D

FIG. 7E

FIG. 8A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSRID PORT	OUTPUT PORT	OUTPUT LABEL
-	-	-	-
INFORMATION OF LSR1 TO LSR5	1	1	L21
⋮	⋮	⋮	⋮

FIG. 8B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSRID	OUTPUT PORT	OUTPUT LABEL
2	L21	1	L42
⋮	⋮	⋮	⋮

FIG. 8C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSRID	OUTPUT PORT	OUTPUT LABEL
2	L31	x	-
⋮	⋮	⋮	⋮

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSRID	OUTPUT PORT	OUTPUT LABEL
2	L41	-	-
3	L42	1	L51
⋮	⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE LSRID	NOTE
2	L51	1
⋮	⋮	⋮
⋮	⋮	TO UPPER LAYER AFTER DELETING LABEL

P12

P13

FIG. 8D

FIG. 8E

FIG. 9

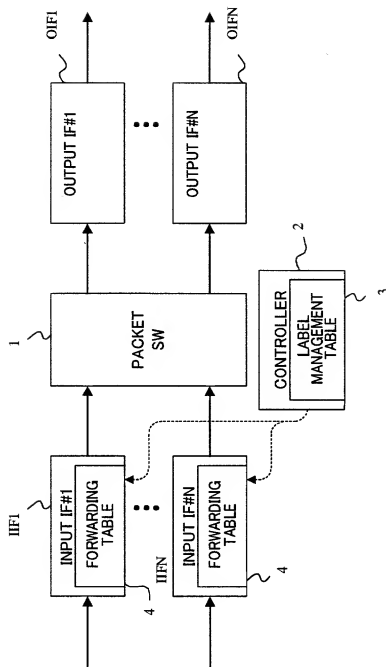


FIG. 10A

INPUT PORT	INPUT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
#1	5	O	2	#2	4
#1	7	X	-	-	-
#2	7	⊙	1	#1	5
#2	7	⊙	1	#3	4

FIG. 10B

INPUT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
5	O	2	#2	4
4	X	-	-	-
7	⊙	1	#1	5
7	⊙	1	#3	4

FIG. 11A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
⋮	⋮	⋮	⋮

FIG. 11B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	1	L31
⋮	⋮	⋮	⋮

FIG. 11C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	1	L41
⋮	⋮	⋮	⋮

FIG. 11D

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	1	L51
⋮	⋮	⋮	⋮

FIG. 11E

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	NOTE
2	L51	O 1 TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮

FIG. 12A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION OF LSR1 TO LSR5	IDENTIFIER	OUTPUT PORT
1	1	L21
1	1	-
·	·	·
·	·	·

FIG. 12B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2	L21	O	1
·	·	·	·
·	·	·	·
·	·	·	·

FIG. 12C

LSR3 MANAGEMENT TABLE

INPUT PORT	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2	L31	O	1
·	·	·	·
·	·	·	·
·	·	·	·

P1

P2

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2	L41	O	1
3	L42	O	1
·	·	·	·
·	·	·	·

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	NOTE
2	L51	⊙	1
·	·	·	·
·	·	·	·
·	·	·	·

P3

P4

FIG. 12D

FIG. 12E

FIG. 13A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L21
⋮	⋮	⋮	⋮

FIG. 13B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	OUTPUT PORT LABEL
2 L21	⊙	1 L31
⋮	⋮	3 L42
⋮	⋮	⋮

FIG. 13C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	OUTPUT PORT LABEL
2 L31	○	1 L41
⋮	⋮	⋮
⋮	⋮	⋮

P8 ← P7 ←

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	OUTPUT PORT LABEL
2 L41	○	1 L51
3 L42	○	1 L51
⋮	⋮	⋮
⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE IDENTIFIER	NOTE
2 L51	⊙	TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮
⋮	⋮	⋮

FIG. 13D

P6 ← P5

FIG. 13E

FIG. 14A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT LABEL
	-	-
INFORMATION OF LSR1 TO LSR6	1	L21
:	:	:
:	:	:

FIG. 14B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2	L21	O	1
:	:	:	:
:	:	:	:
:	:	:	:

FIG. 14C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2	L31	x	-
:	:	:	:
:	:	:	:
:	:	:	:

P9

P10

P11

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2	L41	x	-
3	L42	O	1
:	:	:	L51
:	:	:	:
:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	NOTE
2	L51	O	1
:	:	:	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:
:	:	:	:

P12

P13

FIG. 14D

FIG. 14E

FIG. 15A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION OF LSR1 TO LSR5	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
1	1	L21	
2	2		
3	3		
4	4		

FIG. 15B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	O	低	1	L31
3					
4					
5					

FIG. 15C

LSR3 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	O	低	1	1	L41
3						
4						
5						

FIG. 15D

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	O	低	1	L51
3					
4					
5					

FIG. 15E

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	NOTE
2	L51	O	低	1
3				TO UPPER LAYER AFTER DELETING LABEL
4				
5				

FIG. 16A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION OF LSR1 TO LSR5	IDENT -IFER	OUTPUT PORT LABEL
1	1	L21
1	1	-
:	:	:
:	:	:

FIG. 16B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEAF PRIORITY	IDENT -IFER	OUTPUT PORT LABEL
2	L21	LOW	1	L31
:	:	:	:	:
:	:	:	:	:

FIG. 16C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEAF PRIORITY	IDENT -IFER	OUTPUT PORT LABEL
2	L31	LOW	1	L41
:	:	:	:	:
:	:	:	:	:

P1

→

P2

→

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEAF PRIORITY	IDENT -IFER	OUTPUT PORT LABEL
2	L41	LOW	1	L51
3	L42	-	1	-
:	:	:	:	:
:	:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEAF PRIORITY	IDENT -IFER	NOTE
2	L51	LOW	1	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:	:
:	:	:	:	:

P3

→

P4

→

FIG. 16D

FIG. 16E

FIG. 17A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
1	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L21
...

FIG. 17B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	⊙	1	1	L31
...

FIG. 17C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	○	1	1	L41
...

P8

P7

←

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	○	1	1	L51
3	L42	○	1	1	L51
...

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	RELEASE PRIORITY	NOTE
2	L51	⊙	1	TO UPPER LAYER AFTER DELETING LABEL
...

P6

P5

←

FIG. 17D

FIG. 17E

FIG. 18A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT LABEL
	-	-	-
INFORMATION OF LSR1 TO LSR5	1	1	L21
⋮	⋮	⋮	⋮

FIG. 18B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT LABEL
2	L21	LOW	1	3
⋮	⋮	⋮	⋮	⋮

FIG. 18C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT LABEL
2	L31	x	-	-
⋮	⋮	⋮	⋮	⋮

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT LABEL
2	L41	x	-	-
3	L42	LOW	1	L51
⋮	⋮	⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENT -IFIER	NOTE
2	L51	LOW	1	TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮	⋮	⋮

P12

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FIG. 18D

FIG. 18E

FIG. 19

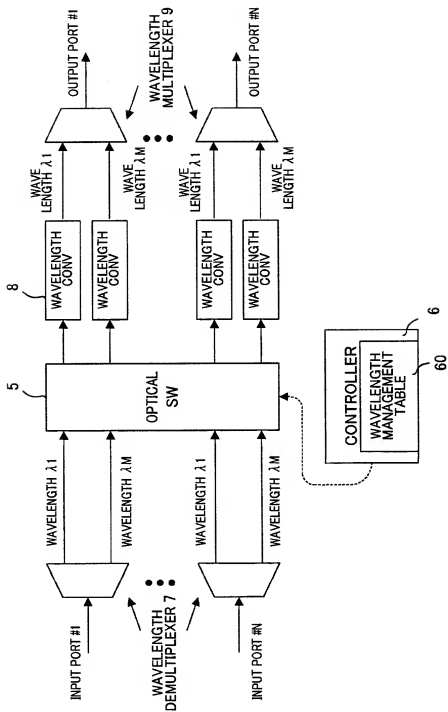


FIG. 20

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENTI- FIER	OUTPUT PORT	OUTPUT WAVE LENGTH
#1	$\lambda 5$	O	2	#2	$\lambda 4$
#1	$\lambda 7$	x	-	-	-
#2	$\lambda 7$	⊙	1	#1	$\lambda 5$
#2	$\lambda 7$	⊙	1	#3	$\lambda 4$

FIG. 21

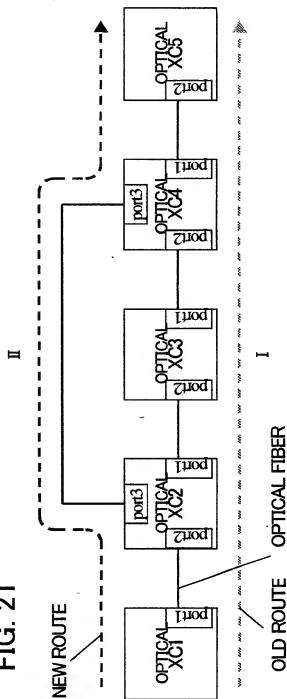


FIG. 22A

OPTICAL XC1 MANAGEMENT TABLE

INPUT INFORMATION	IDENT-IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
...

FIG. 22B

OPTICAL XC2 MANAGEMENT TABLE

INPUT WAVE LENGTH	RESERVE	IDENT-IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2 $\lambda 21$	O	1	1	$\lambda 31$
...

FIG. 22C

OPTICAL XC3 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT-IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 31$	O	1	1	$\lambda 41$
...

FIG. 22D

OPTICAL XC4 MANAGEMENT TABLE

INPUT WAVE LENGTH	RESERVE	IDENT-IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2 $\lambda 41$	O	1	1	$\lambda 51$
...

FIG. 22E

OPTICALXC5 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT-IFIER	NOTE
2	$\lambda 51$	O	1	TO UPPER LAYER
...

FIG. 23A

OPTICAL XC1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT WAVELENGTH
INFORMATION OF OPTICAL XC1	1	1	$\lambda 21$
...	1	1	-
...

FIG. 23B

OPTICAL XC2 MANAGEMENT TABLE

INPUT PORT	INPUT WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT WAVELENGTH
2	$\lambda 21$	⊙	1	1	$\lambda 31$
...	3	-
...

FIG. 23C

OPTICAL XC3 MANAGEMENT TABLE

INPUT PORT	INPUT WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT WAVELENGTH
2	$\lambda 31$	○	1	1	$\lambda 41$
...
...

P1

→

P2

→

OPTICAL XC4 MANAGEMENT TABLE

INPUT PORT	INPUT WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT WAVELENGTH
2	$\lambda 41$	○	1	1	$\lambda 51$
3	$\lambda 42$	○	1	1	-
...

P3

→

P4

→

OPTICAL XC5 MANAGEMENT TABLE

INPUT PORT	INPUT WAVELENGTH	RESERVE	IDENTIFIER	NOTE
2	$\lambda 51$	⊙	1	TO UPPER LAYER
...
...

FIG. 23D

FIG. 23E

FIG. 24A

OPTICAL XC1 MANAGEMENT

TABLE			
INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT WAVELENGTH
1	1	1	$\lambda 21$
2	1	1	$\lambda 21$
INFORMATION OF OPTICAL XC1 TO OPTICAL XC3	.	.	.
.	.	.	.

FIG. 24B

OPTICAL XC2 MANAGEMENT

TABLE			
INPUT WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT PORT
2	$\lambda 21$	1	1
.	.	.	.
.	.	.	.
.	.	.	.

FIG. 24C

OPTICAL XC3 MANAGEMENT

TABLE			
INPUT WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT PORT
2	$\lambda 31$	1	1
.	.	.	.
.	.	.	.
.	.	.	.

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OPTICAL XC4 MANAGEMENT

TABLE			
INPUT WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT PORT
2	$\lambda 41$	1	1
3	$\lambda 42$	1	1
.	.	.	.
.	.	.	.

OPTICAL XC5 MANAGEMENT

TABLE			
INPUT WAVELENGTH	RESERVE	IDENTIFIER	NOTE
2	$\lambda 51$	1	TO UPPER LAYER
.	.	.	.
.	.	.	.

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FIG. 24D

FIG. 24E

FIG. 25A

OPTICAL XC1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT WAVELENGTH
-	-	-
INFORMATION OF OPTICAL XC1	1	λ_{21}
...

FIG. 25B

OPTICAL XC2 MANAGEMENT TABLE

INPUT PORT	RESERVE	IDENTIFIER	OUTPUT WAVELENGTH
2	λ_{21}	1	3
...

FIG. 25C

OPTICAL XC3 MANAGEMENT TABLE

INPUT PORT	WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT WAVELENGTH
2	λ_{31}	x	-	-
...

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OPTICAL XC4 MANAGEMENT TABLE

INPUT PORT	WAVELENGTH	RESERVE	IDENTIFIER	OUTPUT WAVELENGTH
2	λ_{41}	x	-	-
3	λ_{42}	0	1	λ_{51}
...

OPTICAL XC5 MANAGEMENT TABLE

INPUT PORT	WAVELENGTH	RESERVE	IDENTIFIER	NOTE
2	λ_{51}	0	1	TO UPPER LAYER
...

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FIG. 25D

FIG. 25E

FIG. 26A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT AFTER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	λ 21
.	.	.	.
.	.	.	.

FIG. 26B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT AFTER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 21	O	LOW	1	1	λ 31
.
.

FIG. 26C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT AFTER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 31	O	LOW	1	1	λ 41
.
.

FIG. 26D

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT AFTER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 41	O	LOW	1	1	λ 51
.
.

FIG. 26E

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT AFTER	NOTE
2	λ 51	O	LOW	1	TO UPPER LAYER
.
.

FIG. 27A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION TO OPTICAL XC1	1	1	$\lambda 21$
•	1	1	-
•	•	•	•
•	•	•	•

FIG. 27B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 21$	⊙	LOW	1	1	$\lambda 31$
•	•	•	•	•	•	•
•	•	•	•	•	•	•

FIG. 27C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 31$	O	LOW	1	$\lambda 41$
•	•	•	•	•	•
•	•	•	•	•	•

P1

→

P2

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 41$	O	LOW	1	1	$\lambda 51$
3	$\lambda 42$	O	-	1	1	-
•	•	•	•	•	•	•
•	•	•	•	•	•	•

→

P3

→

P4

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENTIFIER	NOTE
2	$\lambda 51$	⊙	LOW	1	TO UPPER LAYER
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 27D

FIG. 27E

FIG. 28A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT -IFER	OUTPUT WAVE PORT LENGTH
	1	1
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1
·	·	·
·	·	·

FIG. 28B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT WAVE PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFER	OUTPUT WAVE PORT LENGTH
2	λ 21	⊙	1	1
·	·	·	·	·
·	·	·	·	·

FIG. 28C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT WAVE PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFER	OUTPUT WAVE PORT LENGTH
2	λ 31	○	1	1
·	·	·	·	·
·	·	·	·	·

P8

P7

OPTICAL XC4 MANAGEMENT
TABLE

INPUT WAVE PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFER	OUTPUT WAVE PORT LENGTH
2	λ 41	○	1	1
3	λ 42	○	1	1
·	·	·	·	·
·	·	·	·	·

OPTICAL XC5 MANAGEMENT
TABLE

INPUT WAVE PORT LENGTH	RESERVE	IDENT -IFER	RELEASE PRIORITY	NOTE
2	λ 51	⊙	1	TO UPPER LAYER
·	·	·	·	·
·	·	·	·	·

P6

P5

FIG. 28D

FIG. 28E

FIG. 29A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT- IFIER	OUTPUT PORT	OUTPUT WAVE- LENGTH
	-	-	-
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
⋮	⋮	⋮	⋮

FIG. 29B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT- IFIER	OUTPUT PORT	OUTPUT WAVE- LENGTH
2	$\lambda 21$	LOW	1	3	$\lambda 42$
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 29C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT- IFIER	OUTPUT PORT	OUTPUT WAVE- LENGTH
2	$\lambda 31$	x	-	-	-
⋮	⋮	⋮	⋮	⋮	⋮

P9

P10

P11

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT- IFIER	OUTPUT PORT	OUTPUT WAVE- LENGTH
2	$\lambda 41$	x	-	-	-
3	$\lambda 42$	LOW	1	1	$\lambda 51$
⋮	⋮	⋮	⋮	⋮	⋮

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT- IFIER	NOTE
2	$\lambda 51$	LOW	1	TO UPPER LAYER
⋮	⋮	⋮	⋮	⋮

P12

P13

FIG. 29D

FIG. 29E